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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,979	08/26/2003	Bruce Fletcher Johnson	133976	2828
6147 7590 09/14/2007 GENERAL ELECTRIC COMPANY GLOBAL RESEARCH			EXAMINER	
			SCHLIENTZ, LEAH H	
	PATENT DOCKET RM. BLDG. K1-4A59 NISKAYUNA, NY 12309		ART UNIT	PAPER NUMBER
,	<b>,</b>		1618	
			MAIL DATE	DELIVERY MODE
			09/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	
Office Action Summary		10/647,979	JOHNSON ET AL.	
		Examiner	Art Unit	
		Leah Schlientz	1618	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address	
WHI( - Exte after - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period warre to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
1)⊠ 2a)□ 3)□	Responsive to communication(s) filed on 29 At This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		
Disposit	ion of Claims			
5)□ 6)⊠ 7)□ 8)□	Claim(s) 18 and 20-26 is/are pending in the ap 4a) Of the above claim(s) 21-23,25 and 26 is/are Claim(s) is/are allowed.  Claim(s) 18, 20 and 24 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	re withdrawn from consideration.		
Applicat	ion Papers			
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examiner Theorem 1.	epted or b) objected to by the liderawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority (	under 35 U.S.C. § 119			
a)i	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the priorical application from the International Bureau  See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage	
2) 🔲 Notic 3) 🔲 Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite	

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### **DETAILED ACTION**

# Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/29/2007 has been entered.

### Status of Claims

Claim 16 has been cancelled. Claims 18 and 24 have been amended. Claims 18 and 20 - 26 are pending, of which claims 21 - 23, 25 and 26 have been withdrawn from consideration as being drawn to non-elected species. Claims 18, 20 and 24 are readable upon the elected species and are examined herein on the merits for patentability.

# Response to Arguments

Applicant's arguments filed 8/29/2007 have been fully considered but they are not persuasive for reasons set forth hereinbelow.

# Claim Rejections - 35 USC § 112

Claims 18, 20 and 24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed. had possession of the claimed invention. The claims are drawn to a method of producing an imaging agent comprising the steps of providing a compound consisting of a targeting moiety directly bound to a leaving group, contacting the compound with a solution containing a detectable species to form the imaging agent, wherein solubility of the imaging agent differentiates it from the compound, separating the imaging agent from the compound by differential solubility, and recovering the imaging agent. The specification was examined, and support was found only for separation of a leaving group from the imaging agent based on differences in chemical attributes (e.g. net charge or polarity) of the molecules of physical attributes of the molecules through the use of a solid support (abstract). However, the disclosure of separation based on differences in net charge (i.e. separation by ion exchange column) or polarity (i.e. separation by silica gel column, etc.) does not provide sufficient support that applicant had possession of the concept of an imaging agent and compound having differential solubility and a separation step based on said differential solubility, as claimed. See also paragraph 0018 or 0030 of originally filed specification. This is a new matter rejection.

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# Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 18, 20 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chambers *et al.* (US 5,705,713) in view of Johnson *et al.* (US 5,264,570), for reasons set forth in the Office Action mailed 4/30/2007.

Applicant argues on page 9 of the Response that Chambers teaches a process for preparation of fluoro compounds wherein a compound of formula R¹R²CHOX is converted to its fluorinated analog (col. 1, lines 65 – col. 2, line 5). The product may be "separated, e.g. by filtration, and purified in the usual way" (col. 4, lines 55 – 65), etc. Claim 18 has been amended to specify that the imaging agent has "solubility of the imaging agent differentiates it from the compound" and that the imaging agent is separated from the compound via that differential solubility. Applicant contends that neither Chambers nor Johnson mentions using differential solubility to separate the starting material from the fluorinated product.

This is non-persuasive because, as noted by Applicant, Chambers teaches separation, "e.g. by filtration" and purification (col. 4, lines 55 – 65). One of ordinary skill in the art would recognize that separation of starting material / product via filtration is a

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method by which solids and fluids are separated (i.e. a method of separation due to "differential solubility").

#### Conclusion

No claims are allowed at this time.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leah Schlientz whose telephone number is 571-272-9928. The examiner can normally be reached on Monday - Friday 8 AM - 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Hartley can be reached on 571-272-0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LHS

MICHAEL G. HARTLEY SUPERVISORY PATENT EXAMINER